

7-31-89
12.3.8 v.s

AUG -2



July 31, 1989

Ashgrove Cement West, Inc.
3801 E. Marginal Way South
Seattle, WA 98134

Attention: Ken Rone

Re: Bag Plant Remodel
Alternate for Monitor

Dear Ken,

I have attached a sketch of the Alternate System Ground that we talked about Friday. It consists of a 15 KVA autotransformer connected to the secondary of transformer BTPl with the centertap grounded. It would be mounted and wired along side the existing transformer. In the case of a short, it would pass enough fault current to trip either the 200 amp primary circuit breaker, or the 400 amp secondary circuit breaker. The grounded centertap would provide the ground potential for the transformer. This would be inherently safe because it is grounded, and thus would not require monitoring. In the case of fault to ground, it would trip the overcurrent device directly rather than trip an alarm.

Our cost for providing and installing 990

Please contact me if there are any questions.

Sincerely,

Bob Witty
Bob Witty

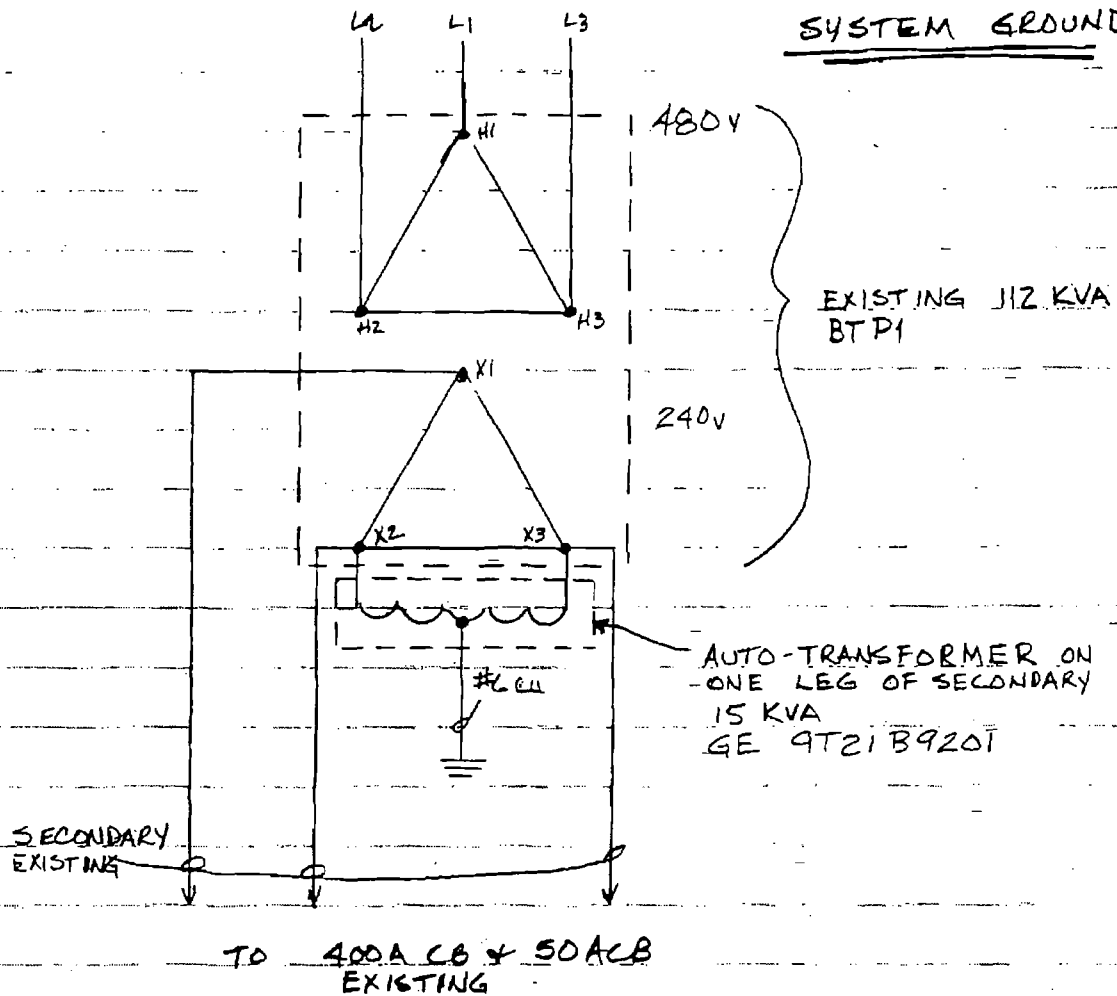
ashgrv10.179
Attachment
cc: Mark Wirf

USEPA SF



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ALTERNATE
SYSTEM GROUND



MIDLAND ELEC.

BOB WITTM

7-28-89